

## **AMENDMENTS TO THE CLAIMS**

The listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims**

What is claimed is:

1. - 33. (Canceled)

34. (New) A method in a radio access network of handling the mobility of a multimedia service joined mobile terminal in a cell group location state, in which state the location of the mobile terminal is stored at cell group level in a context of a radio network controller functioning as a serving radio network controller (SRNC) for the mobile terminal, comprising the steps of:

performing an information transfer at a first trigger event via an Iur-interface between a serving radio network controller (SRNC) and all radio network controllers controlling at least one cell in a first cell group and being potential drift radio network controllers (DRNCs) for the mobile terminal, wherein the information transfer step comprises the further steps of

sending, by the SRNC, a multimedia service attach requesting message to the potential DRNCs, the multimedia service attach requesting message comprising context information for the mobile terminal, the context information including multimedia service information; and

creating and storing, by the potential DRNCs, a context for the mobile terminal based on the received message.

35. (New) The method according to claim 34, wherein the transferred context information comprises the identity of the joined multimedia service, the identity of the cell group, the temporary identity of the mobile terminal within the network, and the identity of the mobile terminal.

36. (New) The method according to claim 34, wherein the SRNC and the potential DRNCs will send a multimedia session start notification based on the transferred context information when a multimedia session start notification is received from a core network.

37. (New) The method according to claim 34, wherein the trigger event is the SRNC receiving a cell group updating message from the mobile terminal.

38. (New) The method according to claim 37, further comprising the steps of:  
sending a multimedia service detach requesting message from the SRNC to all potential DRNCs in the previous cell group, if the new cell group comprises only cells controlled by new RNCs; and  
deleting, by the potential DRNCs in the previous cell group, the stored context of the mobile terminal.

39. (New) The method according to claim 34, wherein the trigger event is the mobile terminal transiting into the cell group location state from any other state.

40. (New) The method according to claim 34, wherein the trigger event is the SRNC receiving a notification from the core network of a start of a multimedia service session.

41. (New) The method according to claim 34, wherein each of the potential DRNCs create and store a multimedia service context in case no other multimedia service joined mobile terminal is located in the cells controlled by each potential DRNC.

42. (New) The method according to claim 34, wherein the multimedia service context comprises the identity of the multimedia service and the temporary identity of the mobile terminal within the radio access network.

43. (New) The method according to claim 34, further comprising the step of performing a counting procedure for each cell before a PTM/PTP decision by radio network controllers functioning as Controlling Radio Network Controllers (CRNCs).

44. (New) The method according to claim 43, wherein the counting procedure step is performed by paging each mobile terminal in the cell group location state individually by means of the stored context information.

45. (New) The method according to claim 43, wherein the counting procedure step is performed by including a cell group location specific paging information comprising a probability factor in a broadcasted multimedia service session start notification.

46. (New) The method according to claim 43, wherein the counting procedure step is performed by estimating a probability factor for the mobile terminals of each cell.

47. (New) The method according to claim 34, wherein the first cell group consists of a UTRAN Registration Area (URA) according to the 3GPP standard.

48. (New) The method according to claim 34, wherein the cell group location state is a URA\_PCH state according to the 3GPP standard.

49. (New) The method according to claim 34, wherein the multimedia service is a Multimedia Broadcasting/Multicasting Service (MBMS), according to the 3GPP standard.

50. (New) The method according to claim 34, wherein the multimedia service attach requesting message is an MBMS ATTACH REQUEST, according to the 3GPP standard.

51. (New) A radio network controller in a radio access network functioning as a serving radio network controller (SRNC) for a multimedia service joined mobile terminal in a cell group location state and provided with stored context information for the mobile terminal, the serving radio network controller being arranged to communicate with other radio network controllers via an Iur interface, comprising a means adapted to perform an information transfer of a multimedia service attach requesting message comprising the context information at a trigger event to all other radio network controller controlling at least one cell within the cell group of the mobile terminal and being potential drift radio network controllers (DRNCs) for the mobile terminal.

52. (New) The radio network controller according to claim 51, wherein the context information comprises the identity of the joined multimedia service, the identity of the cell group, the temporary identity of the mobile terminal within the network, and the identity of the mobile terminal.

53. (New) The radio network controller according to claim 51, further comprising means adapted to send a multimedia session detach requesting message to all potential DRNCs in the previous cell group upon receiving a cell group updating message from the mobile terminal and the new cell group only consist of cells controlled by new RNCs.

54. (New) The radio network controller according to claim 51 having a means for functioning as a controlling radio network controller (CRNC), further comprising a means adapted to perform a counting procedure before making a PTP/PTM decision for a cell.

55. (New) The radio network controller according to claim 54, further comprising a means adapted to perform the counting procedure by paging each mobile terminal in the cell group location state individually by means of the stored context information.

56. (New) The radio network controller according to claim 54, wherein the means adapted to perform the counting procedure by including a cell group location specific paging information further comprises a probability factor in a broadcasted multimedia service session start notification.

57. (New) The radio network controller according to claim 54, wherein the means for performing the counting procedure is adapted to estimate a probability factor for the mobile terminals of each cell.

58. (New) The radio network controller according to claim 54, wherein the first cell group consists of a UTRAN Registration Area (URA) according to the 3GPP standard.

59. (New) The radio network controller according to claim 51, wherein the cell group location state is a URA\_PCH state according to the 3GPP standard.

60. (New) The radio network controller according to claim 51, wherein the multimedia service is a Multimedia Broadcasting/Multicasting Service (MBMS), according to the 3GPP standard.

61. (New) The radio network controller according to claim 51, wherein the multimedia service attach requesting message is an MBMS ATTACH REQUEST, according to the 3GPP standard.

62. (New) A radio network controller in a radio access network being a potential drift radio network controller (DRNC) for a multimedia service joined mobile terminal in a cell group location state, the radio network controller arranged to communicate with other radio network controllers via an Iur interface, comprising:

means adapted to receive an information transfer of a multimedia service attach requesting message comprising context information for a mobile terminal from a radio network controller functioning as a serving radio network controller (SRNC) adapted to perform an information transfer of a multimedia service attach requesting message comprising the context information at a trigger event to all other radio network controllers controlling at least one cell within the cell group of the mobile terminal and being potential drift radio network controllers (DRNCs) for the mobile terminal; and

means adapted to create and store context information for the mobile terminal using the received message.

63. (New) The radio network controller according to claim 62, wherein the context information comprises the identity of the joined multimedia service, the identity of the cell group, the temporary identity of the mobile terminal within the network, and the identity of the mobile terminal.

64. (New) The radio network controller according to claim 62, wherein the means adapted to send a multimedia service session start notification to the mobile

terminal based on the stored context information when a multimedia session start notification is received from a core network.

65. (New) The radio network controller according to claim 62, wherein the means adapted to create and store a multimedia service context in case no other multimedia service joined mobile terminal, is located in the cells controlled by the radio network controller.

66. (New) The radio network controller according to claim 65, wherein the multimedia service context comprises the identity of the multimedia service and the temporary identity of the mobile terminal within the radio network.